



# Forest Insect & Disease Management

Report No.  
79-3-31

## AERIAL DETECTION SURVEY OF FOREST INSECT AND DISEASE ACTIVITY, CHOCTAW RANGER DISTRICT AND TIAK RANGER DISTRICT, OUACHITA NATIONAL FOREST

LAND OWNERSHIP OR SURVEY AREA: Choctaw Ranger District & Tiak  
Ranger District, Ouachita  
STATE: **Oklahoma** National Forest

AREA WITHIN SURVEY BOUNDARY: Choctaw - 260,000 Acres; Tiak -  
145,000 Acres

DATE: August 22, 1979

PERCENT COVERAGE: 50%<sup>1/</sup>

AIRCRAFT: Cessna 210

CREW: R.F. Bassett, T.P. Russell, G.A. Autry

REPORT PREPARED BY: R.F. Bassett

### SURVEY OBJECTIVES

To detect forest insect or disease damage.

### SURVEY RESULTS

Choctaw Ranger District - Defoliation of hardwoods was scattered over the District (see map attached). Nothing else except a few dead single trees were spotted.

Tiak Ranger District - Two small spots of recently killed pine were spotted (see map).

### CONCLUSIONS

The defoliation on the Choctaw Ranger District was caused by walkingsticks. Typically late season defoliation does not seriously threaten timber. Neither District seemed to have any serious bark beetle problems, however, the two small spots on the Tiak should be checked for current bark beetle activity.

<sup>1/</sup> Based on flight lines four miles apart with one mile viewing on each side of aircraft.

Report No. 79-3-31 Cont.

For any additional information, contact:

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Telephone: 404-221-4796

or USDA Forest Service FIDM  
2500 Shreveport Highway  
Pineville, LA 71360  
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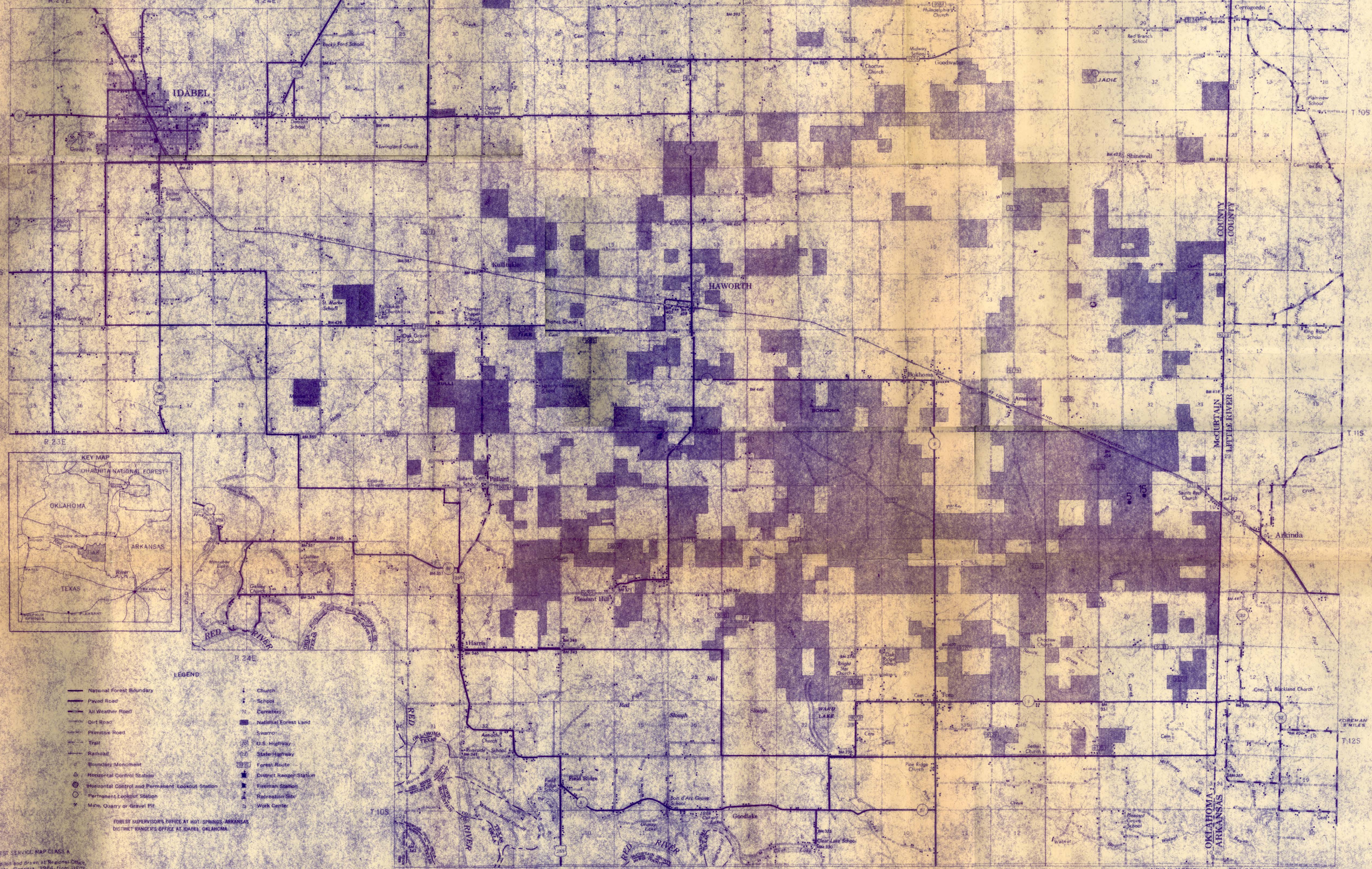






U.S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE  
EDWARD P. CLIFF, CHIEF  
**OUACHITA NATIONAL FOREST**  
(TIAK RANGER DISTRICT)  
OKLAHOMA  
INDIAN MERIDIAN AND 5TH PRINCIPAL MERIDIAN  
1964

Dorville Survey Team  
August 22, 1979  
R.E. Bassett, T.P. Russell, G.A. Autry



LEGEND

- |  |                           |
|--|---------------------------|
| — National Forest Boundary                         | • Church                  |
| — Paved Road                                       | • School                  |
| — All Weather Road                                 | • Cemetery                |
| — Dirt Road  | ■ National Forest Land    |
| — Primitive Road                                   | ■ Swamp                   |
| — Trail  | — U.S. Highway            |
| — Railroad   | — State Highway           |
| — Boundary Monument                                | — Forest Route            |
| • Horizontal Control Station                       | • District Ranger Station |
| • Horizontal Control and Permanent Lookout Station | • Fireman Station         |
| • Permanent Lookout Station                        | • Recreation Site         |
| • Mine, Quarry or Gravel Pit                       | • Work Center             |

FOREST SUPERVISOR'S OFFICE AT HOT SPRINGS, ARKANSAS  
DISTRICT RANGER'S OFFICE AT IDABEL, OKLAHOMA

FOREST SERVICE MAP CLASS A

Compiled and drawn at Regional Office,  
Atlanta, Georgia, 1964, from USGS  
topographic maps and Forest Service  
Planning Maps. Control by USGS and  
USFS surveys.